

WHAT IS CLAIMED IS:

1. A voluminous non-woven fabric having a textured yarn shot through it, at least in one preferential direction, comprising: an endless filament or staple fiber non-woven fabric having a density of 5 to 100 g/m² and a textured multifilament yarn having a titer in the range of 10 to 400 dtex shot through the fabric, wherein the multifilament yarns are separated from one another by a distance of 1/cm to 10/cm and the mesh number is 0.5/cm to 8/cm, and the multifilament yarn threads are shrunk by 3 to 80%, using moist-thermal or wet-thermal treatment.

2. The voluminous non-woven fabric according to Claim 1, wherein: the endless filament or staple fiber non-woven fabric has a density of 7 to 60 g/m²; the textured multifilament yarn has a titer in the range of 30 to 300 dtex; the distance of the multifilament fibers from one another is 3/cm to 7/cm; the mesh number is 0.5/cm to 4/cm; and the multifilament yarn threads have been shrunk by 5 to 60%.

3. The voluminous non-woven fabric according to Claim 1, wherein the endless filament or staple fiber non-woven fabric has a density of 10 to 40 g/m² and is provided with a bonding pattern that covers part of the surface, covering 2 to 35% of the surface, and wherein the multifilament yarn threads are shrunk by 8 to 35%.

4. The voluminous non-woven fabric according to Claim 2, wherein the endless filament or staple fiber non-woven fabric has a density of 10 to 40 g/m² and is provided with a bonding pattern that covers part of the surface, covering 2 to 35% of the surface, and wherein the multifilament yarn threads are shrunk by 8 to 35%.

5. The voluminous non-woven fabric according to Claim 3, wherein the bonding pattern that covers part of the surface covers 4 to 25% of the surface.

6. The voluminous non-woven fabric according to Claim 1, wherein the titer of the fibers or filaments of the non-woven fabric is from 0.05 to 4.4 dtex, and where up to 20 % by weight of the total fibers and/or filaments can have a coarser titer than 4.4 dtex, provided that the arithmetically determined average of the fiber and/or filament titer of all the fibers and/or filaments in the non-woven fabric does not exceed 4.4 dtex.

7. The voluminous non-woven fabric according to Claim 1, wherein shrinkage of the multifilament yarn is triggered at a temperature at least 25 °C below the plastification temperature of those fibers or filaments in the non-woven fabric having the lowest plastification range.

8. The voluminous non-woven fabric according to Claim 1, wherein the non-woven fabric is stretched crosswise to the machine running direction.

9. The voluminous non-woven fabric according to Claim 1, wherein at least 20% by weight of the total fibers and/or filaments are inherently hydrophilic, and the remaining portion of the total fibers and/or filaments are synthetic.

10. The voluminous non-woven fabric according to Claim 8, wherein at least a part of the synthetic fibers and/or filaments are made to be hydrophilic.

11. The voluminous non-woven fabric according to Claim 1, wherein at least some of the fibers or filaments are superabsorbent or have a core which is coated with a superabsorbent polymer.

12. The voluminous non-woven fabric according to Claim 1, wherein it contains crimped and dyed fibers or filaments.

13. The voluminous non-woven fabric according to Claim 1,

wherein it is impregnated with a silicone oil lubricant.

14. The voluminous non-woven fabric according to Claim 1, wherein it has two sides that are different in their composition or their structure.

15. The voluminous non-woven fabric according to Claim 1, wherein it is folded at least once.

16. The voluminous non-woven fabric according to Claim 1, wherein it is impregnated with a cleaning or care emulsion.

17. A wiping, cleaning, or body care cloth comprising the voluminous non-woven fabric according to Claim 1.

2025 RELEASE UNDER E.O. 14176